INTERNATIONAL SEARCH REPORT



A. CLASSIFICATION OF SUBJECT MATTER
1PC 7 F16J9/26 C23C4/06 C23C4/10

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system tollowed by classification symbols)

IPC 7 F16J C23C

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, PAJ, WPI Data

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Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	DE 102 00 508 A1 (DANA CORP., TOLEDO) 11 July 2002 (2002-07-11) page 4, lines 33-35 claim 1	1–12
Α	DE 197 20 627 A1 (CUMMINS ENGINE CO., INC., COLUMBUS, IND., US) 20 November 1997 (1997-11-20) cited in the application page 4, lines 42-48 page 5, lines 3,4 page 5, lines 9,10 figure 1	1-12

X Further documents are listed in the continuation of box C.	Patent family members are listed in annex.
* Special categories of cited documents: *A* document defining the general state of the art which is not considered to be of particular relevance *E* earlier document but published on or after the international tiling date. *I* document but published on or after the international tiling date. *I* document the published on or after the international state of sending and the published notate of sending or citation or done special reason (as specified). *C** document reterring to an oral disclosure, use, exhibition or other means. *P** document published prior to the international fiting date but later than the priority date cleaned.	**T* later document published after the international filing date or priority date and not in conflict with the application but or priority date and not in conflict with the application but invention international the principle or theory streetlying the invention. **Y' document of particular relevance; the claimed invention cannot be considered now or cannot be considered to an exercise a server of the claimed invention. **Y' document of particular relevance; the claimed invention or cannot be considered to the consideration of the consideration o
Date of the actual completion of the international search 13 May 2005	Date of mailing of the international search report 23/05/2005
Name and mailing address of the ISA European Patent Office, P. B. 5818 Patentlaan 2 Nt. – 2260 HV Rijswilk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016	Authorized officer Van Wel, 0

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